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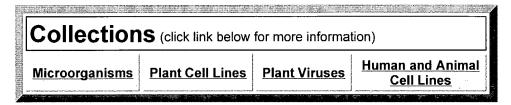
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German Collection of Microorganisms and Cell Cultures



DSMZ - Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH (German Collection of Microorganisms and Cell Cultures) is an independent, non-profit organization dedicated to the acquisition, characterization and identification, preservation and distribution of Bacteria, Archaea, fungi, plasmids, phages, human and animal cell lines, plant cell cultures and plant viruses.

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Kundenumfrage
Construction
Cons

Research and Training at a Culture Collection financed by the EC

As a Large Scale Facility recognized by European Commission within the Framework of the "Human Potential Programme - Access to Infrastructures" the DSMZ offers facilities for research and/or training. Grants are available to scientists from member states of the European Union (excluding Germany) and Associated States.

More information here.

New: The most comprehensive <u>myxobacteria</u> (<u>Myxococcales</u>) <u>collection</u> world-wide.

Please send questions and comments to: DSMZ email

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DSN YT

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Cell line

ΥT

Cell type

human T/NK cell leukemia

DSMZ No

ACC 434

Origin

established from the pericardial fluid of a 15-year-old man with lymphoblastic leukemia (ALL) at relapse (with accompanying thymo were described as: (i) showing NK activity and ADCC (antigen-dep cell-mediated cytotoxicity), (ii) having their T cell receptor (germline configuration, and (iii) expressing no TCR proteins (al

CD56+, CD57-)

References

Yodoi et al., J. Immunol. 134: 1623-1630 (1985); Yoneda et al., (1992); Kanegane et al., Leukemia Lymphoma 29: 491-498 (1998);

Drexler & Matsuo, Leukemia 14: 777-782 (2000).

Depositor

Dr. H. G. Drexler, DSMZ, Braunschweig, Germany

DSMZ Cell Culture Data

Morphology Medium

round to polygonal cells growing singly or in clumps in suspensi

80% Iscove's MDM + 20% FBS

Subculture

split saturated culture 1:2 every second day; start culture in a seed out at ca. 0.8-1.5 x 106 cells/ml, initially after thawing be reduced down to ca. 20-50% during the first 1-2 weeks (durin period, cells should not be diluted, medium may be exchanged wit centrifugation); in their vigorous growth phase, maintain at 0.2

cells/ml; maximal density at ca. 0.6-0.8 x 106 cells/ml

Incubation

at 37 °C with 5% CO₂

Doubling time

doubling time of ca. 40-50 hours

Harvest

cell harvest of ca. 0.6×10^6 cells/ml

Storage

frozen with 70% medium, 20% FBS, 10% DMSO at about 4 x 106 cells.

DSMZ Scientific Data

Mycoplasma Immunology negative in DAPI, microbiological culture, RNA hybridization, PC CD2-, CD3-, CD4-, CD5-, CD6-, CD7+, CD8-, CD13-, CD19-, CD25+, C

TCRalpha/beta-, TCRgamma/delta-

Fingerprint Species

multiplex PCR of minisatellite markers revealed a unique DNA pro

confirmed as human with IEF of AST, LDH, NP

Cytogenetics

human flat-moded near-tetraploid karyotype with 12% polyploidy;

-9, -15, -19, +6-8mar, der(X)t(X;7)(q25;q21),

Viruses

 $\mathtt{der}(1)\,\mathtt{dup}(1)\,(\mathtt{q}12.2\mathtt{q}2?2)\,\mathtt{t}(1;17)\,(\mathtt{q}3?1;\mathtt{q}1?2)\,,\,\,\mathtt{der}(4)\,\mathtt{t}(1;4)\,(\mathtt{q}32.2;\mathtt{q}3)$

ELISA: reverse transcriptase negative; PCR: EBV+, HBV-, HCV-, HH

HTLV-I/II-

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